

OFFICIAL BUSINESS

4334-313

GP-100-SU-OPS  
 31 March 1944  
 TARGET: LUDWIGSHAFEN

100TH BOMB GROUP MISSION NUMBER 139

Field Order Numbers 192 and 192A

Primary Target: Ludwigshafen: Chemical works I.G. Farbenindustrie

Secondary Target: Ludwigshafen

Last Resort : Any military objective in Germany.  
                   Any A/D in enemy-occupied territory  
                   in unpopulated areas.

Duty Officer : Captain Arick

Main Briefing : Lt. Mackesey

Gunner's Briefing: Captain Bowman

Time of Briefing : 0400

Time of Take-Off : A- 0710  
                       B- 0700

ETR : 1350

Result : Abortive (Recalled)

P.R.C.

SCANNED BY AFAC

2006

DECLASSIFIED  
 DOD Dir. 5200.30  
 By AFSHRC  
 Date

00081617

MICROFILED

MISSION NUMBER 139DATE 31-3-44MISSION FOLDER CHECK LIST

1. Warning order, field order, annexes

Target maps & illustrations:

- Briefing information: a) Main Briefing  
 b) Gunners' briefing.  
 c) Camera installations  
 d) Authorized lists of admission.

2. Formation chart;

Interrogation Forms;

- Combat forms & a) Letter of transmittal  
 b) 3rd B.D. evaluated encounters letter,  
 c) Evaluated Encounters ltr, 3rd B.D. to Station S-1

3. A/C Returning early:

Hot News (A/C in distress, and shipping)

Statistical Telephone

Narrative telephone or teletype

**P R**  
**RESTRICTED**

AUTH 8th Ftr Comm

Intelligence Report

Ltr of 14SEPT1945

Aircraft landing Away

Date SEP 19 1945 J.P.S.

PRO Reports

- Miscellaneous reports a) Medical  
 b) Equipment malfunctions  
 c) Crew suggestions to C.O.  
 d) Battle damage  
 e) Sortie information  
 f) Flak

Missing A/C and Missing Crew reports

4. 3rd B.D. Flash report, & Narrative teletype

Strike photos, raid assessments, ECNO, etc.

Statistical Work sheet;

Mission folder check list.

(Material placed in the folder in this order; material mentioned last is on top)

S-2 13/3-1-44

1918000  
11

FORMATION POSITION  
LEAD SQDN  
418th PERFUME

MAJ. BLAKELY ROBERTSON P.F.F. 577 N

EVANS 065 U P.F.F. 567 L

KINGANNON 011 T

HARRIS 986 B SCHWANK RMX 895 Y

LOW SQDN  
418th PERFUME

HIGH SQDN  
349th RATHMORE

FORSYTHE 175 O

HARRISON 710 P

FERBRACHE 2090 R GORSKI 071 P  
350th ENTRAP  
HARPER 537 R

WRIGHT 088 H JEPERSON 086 O  
SHOUT 607 H

HOORDIK 009 X SHELLY 049 U

MOORE 065 G MC GUIRE 487 F  
WILSON 987 A

COMPOSITE GROUP  
351st BLUNTISH  
HEMMICK 412 G

WOLDT 007 B HARTZ 785 B  
351st BLUNTISH

WILLIAMS 256 H MASSOL 047 Q

SPADEK  
350th ENTRAP  
MALCOLY 534 Z

MONRAD 983 Y

WOLD 367 Z  
351st BLUNTISH

ZAPP 550 K BICHEN 986 M  
350th ENTRAP  
GIBBONS 621 A

HOWARD 991 D CHADWICK 981 E

GROUND SPARES  
800 A 351st BLUNTISH  
152 X 418th PERFUME  
684 H 349th RATHMORE



DRAW NO.	P	CP	N	B	R	E	BT	LW	RW	T.C.
3				X	X	X	X	X	X	X
4				X	X	X	X	X	X	X
6				X	X	X	X	X	X	X
7				X	X	X	X	X	X	X
9				X	X	X	X	X	X	X
12				X	X	X	X	X	X	X
14				X	X	X	X	X	X	X
15				X	X	X	X	X	X	X
16				X	X	X	X	X	X	X
17				X	X	X	X	X	X	X
20				X	X	X	X	X	X	X
27				X	X	X	X	X	X	X
29				X	X	X	X	X	X	X
31				X	X	X	X	X	X	X
32				X	X	X	X	X	X	X
35				X	X	X	X	X	X	X
37				X	X	X	X	X	X	X
38				X	X	X	X	X	X	X
41				X	X	X	X	X	X	X
51				X	X	X	X	X	X	X
52				X	X	X	X	X	X	X
61				X	X	X	X	X	X	X
62				X	X	X	X	X	X	X
63				X	X	X	X	X	X	X
64				X	X	X	X	X	X	X
68				X	X	X	X	X	X	X
70				X	X	X	X	X	X	X
73				X	X	X	X	X	X	X
75				X	X	X	X	X	X	X
77				X	X	X	X	X	X	X
PTT				X	X	X	X	X	X	X
22				X	X	X	X	X	X	X
Hannan										
Galewski							X	g		

350TH BOMBARDMENT SQUADRON (H), AAF  
 100TH BOMBARDMENT GROUP (H)  
 AAF Station # 139

31 March 1944

ROSTER OF COMBAT CREWS ON OPERATIONAL MISSION 31 MARCH 1944CREW 12 PLANE 97534

P - Lt F J Malooly  
 CP - Lt R W Baillie  
 N - Lt C H Mauvais  
 B - Lt R W Guida  
 R - Sgt R G Barries  
 E - T/Sgt A J Perry  
 BT - S/Sgt N A Pardoe  
 RW - S/Sgt W H Miller  
 LW - S/Sgt W Wisniewski  
 TO - S/Sgt L Genovese

CREW 14 PLANE 31049

Lt J M Shelly  
 Lt A Skaar  
 Lt M N Spiller  
 Lt E A Fayette  
 T/Sgt G R Trunkett  
 T/Sgt E D Lowther  
 S/Sgt V M Harikian  
 S/Sgt G Winkler  
 S/Sgt J P O'Donnell  
 S/Sgt R W Bates

CREW 15 PLANE 31991

P - Lt H G Howard  
 CP - Lt G A Brewer  
 N - Lt W R Roche  
 B - Lt C W Howison  
 R - T/Sgt E C Montgomery  
 E - T/Sgt H W Thomas  
 BT - S/Sgt E Q Lupia  
 RW - S/Sgt R S Mace  
 LW - S/Sgt B J Mancini  
 TO - S/Sgt E R Wilbur

CREW 16 PLANE 31557

Lt C B Harper  
 Lt R S Flannigan  
 Lt B D Burfield  
 Lt W Garrillo  
 T/Sgt A E James  
 T/Sgt C P Luquet  
 S/Sgt A P Curles  
 S/Sgt J B Bowers  
 S/Sgt W A Dobbs  
 S/Sgt A R Frank

CREW 17 PLANE 32009

P - Lt R P Hoordyk  
 CP - Lt J R Creighton  
 N - Lt E Aita  
 B - Lt D M Bailey  
 R - T/Sgt W L Brown  
 E - T/Sgt R W Byers  
 BT - S/Sgt G L Langdon  
 RW - S/Sgt J E Himpel  
 LW - S/Sgt J A Meade  
 TO - S/Sgt F R Gardner

CREW 51 PLANE 31981

Lt R T Chadwick  
 Lt W T Fitzroy  
 Lt J E Longenecker  
 Lt J A Cartey  
 T/Sgt S E Postel  
 T/Sgt J J Good  
 S/Sgt G A Benedict  
 S/Sgt D J Bruns  
 S/Sgt A B Roberts  
 S/Sgt F K Troetschel

CREW 52 PLANE 37621

P - Lt J P Gibbons  
 CP - Lt R Dykeman  
 N - Lt E M Johnson  
 B - Lt S B Blakeman  
 R - S/Sgt C V Roberto  
 E - T/Sgt L L Arnold  
 BT - S/Sgt B L Spragg  
 RW - S/Sgt M J Hittus  
 LW - S/Sgt F W Buschmier  
 TO - S/Sgt EXCLUDED & W Bunting

JAMES W. STANLEY,  
 2nd Lt., Air Corps,  
 One

FOUR HUNDRED AND EIGHTEENTH BOMBARDMENT SQUADRON (H) AAF  
Office of the Operations Officer

31 March 1944

## CREWS ON OPERATIONAL MISSION OF THIS DATE.

CREW NO. 29 P # 42-97071 (P)

1st Lt A. J. Gorski	P
2nd Lt K. L. Houghton	CP
2nd Lt R. E. Miller	N
2nd Lt B. S. Fox	B
S/Sgt A. M. Caldwell	R
S/Sgt G. Jones	E
S/Sgt J. J. Parrilla	BTG
S/Sgt O. A. Compton	RWG
S/Sgt J. Rybak	LWG
S/Sgt D. M. Gargile	TG

CREW NO. 73 P # 42-106986 (B)

2nd Lt C. E. Harris	P
2nd Lt M. W. Hall, Jr.	CP
2nd Lt L. W. Coartney	N
2nd Lt J. E. Dimel, Jr.	B
S/Sgt L. B. Gaard	R
T/Sgt N. Howden, Jr.	E
S/Sgt K. L. Nowland	BTG
S/Sgt J. F. Mack	RWG
S/Sgt J. H. Strangski	LWG
S/Sgt J. L. Oyler	TG

CREW NO. 31 P # 42-232090 (X)

1st Lt E. E. Ferbrache	P
2nd Lt A. D. Slatinsky	CP
2nd Lt B. Bufsey	N
2nd Lt D. N. Hegge	B
T/Sgt J. P. Lucarelli	R
T/Sgt Harold H. Patterson	E
S/Sgt W. T. Behr	BTG
S/Sgt C. H. Leming	RWG
S/Sgt B. J. Devine	LWG
S/Sgt H. O. Williams	TG

CREW NO. 75 P # 42-31895 (Y)

2nd Lt J. E. Schwank	P
2nd Lt T. J. Crowley	CP
F/O R. E. Battista	N
2nd Lt T. A. McKensie	B
Sgt L. H. Weaver	R
Sgt V. A. Belles	E
Sgt J. R. Curtin	BTG
Sgt R. H. Walsh	RWG
Sgt W. E. Hill	LWG
Sgt C. C. Segrest, Jr.	TG

CREW NO. 32 P # 42-107011 (T)

1st Lt F. C. Kincannon	P
2nd Lt B. L. Farnum	CP
2nd Lt L. H. Abromowitz	N
1st Lt R. E. Nance	B
T/Sgt O. L. Edge	R
T/Sgt D. B. Deason	E
S/Sgt M. Schrier	BTG
S/Sgt B. M. Tarnecki	RWG
S/Sgt C. E. Garrette	LWG
S/Sgt R. D. Chavez	TG

CREW NO. 77 P # 42-38175 (O)

1st Lt W. C. Forsythe	P
1st Lt P. H. Haralson	CP
1st Lt A. H. Paine	N
1st Lt R. W. McAtee	B
T/Sgt P. J. Buck	R
T/Sgt P. J. Johnston	E
S/Sgt P. VanSlyck	BTG
S/Sgt J. A. Codoluto	RWG
S/Sgt N. C. Linke	LWG
S/Sgt R. D. Schad	TG

CREW NO. 35 P # 42-297065 (U)

2nd Lt J. A. Evans	P
2nd Lt E. F. Talbert	CP
2nd Lt H. S. Mears, Jr.	N
2nd Lt J. A. Grasiano	B
T/Sgt P. Churitch	R
T/Sgt L. M. Bailey	E
S/Sgt W. A. Barrack	BTG
S/Sgt L. H. Lynthagoe	RWG
S/Sgt C. Porter	LWG
S/Sgt E. J. Deluccie	TG

P F F Ship

Major E. E. Blakely

351st BOMBARDMENT SQUADRON (H), ARMY AIR FORCE  
Office of the Operations Officer.  
APO 659.

ROSTER OF CREWS ON OPERATIONAL MISSION OF MARCH 31, 1944.

CREW 68 SHIP 412

Lt R H Helmick	P
Lt J F Lairich	CP
Lt S S Kranzler	N
Lt F C Gregory	S
T/Sgt J G Kelley	R
T/Sgt G E Madden	E
S/Sgt R H Myers	BT
S/Sgt H W Johnson	RW
S/Sgt J L Shope	LW
S/Sgt C P Coulam	TG

CREW 64 SHIP 256

Lt H R Williams (Spare)	P
Lt C E Schindler	CP
Lt A Franklin	N
Lt R Greenberg	B
T/Sgt C H Wood	R
T/Sgt C J Carknard	R
S/Sgt C L Powell	BT
S/Sgt J S Felson	RW
S/Sgt R J Mitchell	LW
S/Sgt M J Rotz	TG

CREW 20 SHIP 936

Lt S D Eichen	P
Lt W L Bowen	CP
Lt J J Devine	N
F/O L J Svetlik	B
T/Sgt R J O'Neil	R
T/Sgt R H Tucker	E
S/Sgt F J Branagan	BT
S/Sgt W F Hoffmann	RW
S/Sgt J M Sauer	LW
S/Sgt C R Rathbun	TG

CREW 62 SHIP 007

Ct G W Woldt	P
Lt K H Knewton	CP
Lt J Townsend	N
Lt R E Rossman	B
S/Sgt D A Sachs	R
S/Sgt J C Arnold	E
Sgt E J Foulds	BT
Sgt A G Langhoff	RW
Sgt R H Norman	LW
Sgt J J Selvenis	TG

CREW 70 SHIP 047

Lt J F Massol	P
Lt H D Granger	CP
Lt G E Bonitz	N
T/Sgt D C Bennett (Spare)	S
T/Sgt A J Spengler	R
T/Sgt S A Cary (Spare)	E
Pvt W C Williams	BT
S/Sgt O N McGartney	RW
S/Sgt W L Reneau	LW
S/Sgt N E Garmon	TG

CREW 27 SHIP 983

Lt R V E Monrad	P
Lt A J Burkhardt	CP
Lt F Bryant (350th)	N
S/Sgt J H Delaney	B
T/Sgt T E Spanhoff	R
T/Sgt H A Smallwood	E
S/Sgt C L Anglin	BT
S/Sgt R D Abney (Spare)	RW
S/Sgt R A Armstrong	LW
S/Sgt J Rupnick	TG

CREW 61 SHIP 530

Lt E Zapf	P
Lt W D Lawson	CP
Lt R V Vaughan	N
Lt S R Dittbannner	B
S/Sgt J Rodenich	R
S/Sgt C R Koger	E
Sgt F A Lebelic	BT
Sgt G E Anderson	RW
Sgt C J Gorlinski	LW
Sgt R D Kreitzer	TG

CREW 63 SHIP 867

Lt E W Wolf	P
Lt E R Kennedy	CP
Lt R E Newell	N
Lt D L Thompson	B
S/Sgt G K Rows	R
S/Sgt P J Sattler	E
Sgt A F Karnis	BT
Sgt W J Howard	RW
Sgt B Lazarchik	LW
Sgt R A Itachel	TG

For the Squadron Commander:

DONALD R. MERTON,  
1st Lt., Air Corps,  
Ass't Operations Officer.

349TH BOMBARDMENT SQUADRON (H), ARMY AIR FORCES  
Office of the Operations Officer

31 March 1944

Following Crews Are Alerted For Todays Missions:

Crew # 5 Ship # 710

P - 1st Lt. Harrison, J.A.  
CP - 1st Lt. Stapleton, C.S.  
H - 1st Lt. Busalacchi, A.J.  
B - 1st Lt. Morgan, C.R.  
R - T/Sgt. Coyle, W.J.  
E - T/Sgt. Beschey, A.B.  
HT - S/Sgt. Machatilo, L.F.  
RW - S/Sgt. Hall, G.  
LW - S/Sgt. Robbins, L.A.  
TG - S/Sgt. Buchanan, R.J.

Crew # 6 Ship # 056

P - 1st Lt. Jepperson, H.M.  
CP - 2nd Lt. Atikins, R.P.  
H - 2nd Lt. Seely, B.W.  
B - 2nd Lt. Savino, J.  
R - T/Sgt. Gronkowski, P.J.  
E - T/Sgt. Kostciulaskos, G.J.  
BT - S/Sgt. Fisher, P.  
RW - S/Sgt. Kiriaiko, T.T.  
LW - S/Sgt. Legg, J.B.  
TG - S/Sgt. Durrenberger, J.d.

Crew # 7 Ship # 083

P - 2nd Lt. Moors, J.C.  
CP - 2nd Lt. Blais, R.L.  
H - F/O McClure, R.O.  
B - 2nd Lt. Whidby, M.T.  
R - T/Sgt. Kidner, J.P.  
E - T/Sgt. Heiber, H.  
BT - S/Sgt. Dishneau, W.G.  
RW - S/Sgt. Jedryok, J.J.  
LW - S/Sgt. Hunter, J.R.  
TG - S/Sgt. Dottoviano, W.F.

Crew # 41 Ship # 607

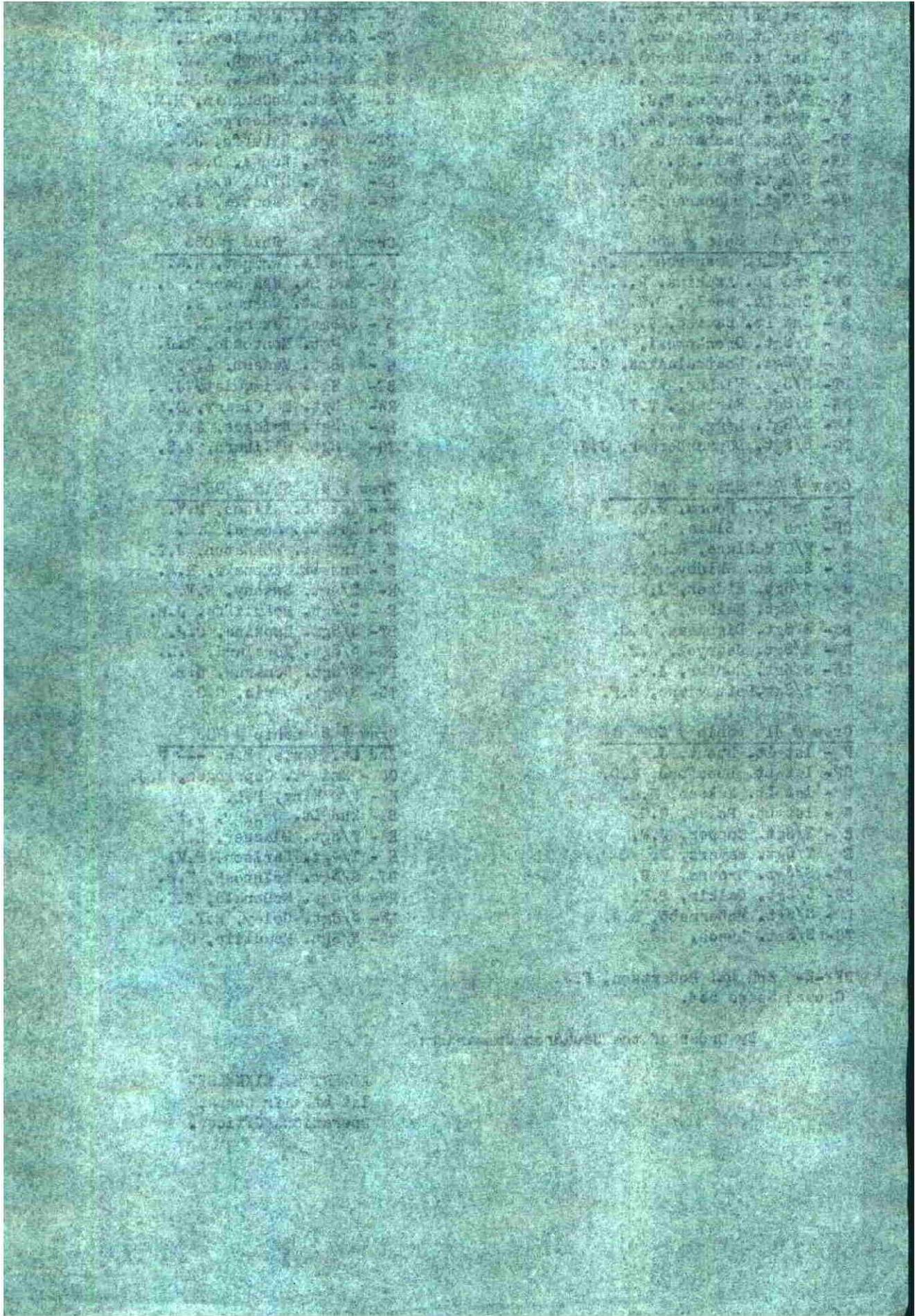
P - 1st Lt. Steut, J.R.  
CP - 1st Lt. Lumsford, R.C.  
H - 1st Lt. Nelson, R.R.  
B - 1st Lt. Polek, C.G.  
R - T/Sgt. Cooper, J.P.  
E - T/Sgt. Meyers, W.  
BT - S/Sgt. Greene, D.B.  
RW - S/Sgt. Calkin, P.H.  
LW - S/Sgt. McDermott, B.J.  
TG - S/Sgt. Lynch, C.W.

PF - 2nd Lt. Robertson, F.W.  
Ground Spare 534.

By Order of the Squadron Commander:

ALBERT H. MIKKELSEN,  
1st Lt. Air Corps,  
Operations Officer.

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CHECK SHEET  
Duty Officer31-3-44  
(Date)

(Check each of following as handled)

SPECIAL  
NOTESBRIEFING INFORMATION

1. From File Room \_\_\_\_\_ X  
 2. From Map Room \_\_\_\_\_ X  
 3. Course, pictures & maps (War Room) \_\_\_\_\_ X  
 4. Pictures & maps (Main Briefing Room) \_\_\_\_\_ X  
 5. Course - Briefing Rooms (Duty Navigator) \_\_\_\_\_ X  
 6. Bulk maps & pictures to Map Room \_\_\_\_\_ X  
 7. Epidiascope pictures prepared \_\_\_\_\_ X

FOOD \_\_\_\_\_ XFIRE

1. Gunners' Briefing Room (Tele. #53) \_\_\_\_\_ X  
 2. Main Briefing Room (By 2400 hours) \_\_\_\_\_ X

GUARDS

1. Authorized Admission List \_\_\_\_\_ X  
 2. Posting \_\_\_\_\_ X  
 3. Dismissal \_\_\_\_\_ X

P/W KITS

1. Loading \_\_\_\_\_ X  
 2. Check out sheet & EM assignment \_\_\_\_\_ X

POST BRIEFING

1. Personal property & issue records to S-2 \_\_\_\_\_ X  
 2. Main Briefing Rm. (Lights out, stoves closed) \_\_\_\_\_ X  
 3. Briefing Material to Files in folder \_\_\_\_\_ X  
 (Removed from both Briefing Rooms)

(Fill in time or name)

1. Pre-Briefing at 0345

9. Assignments:

2. Briefing at 0400a. Gunners' Epidiascope Sgt J. Smith3. Time over target 11:01b. Main Br. Epidiascope Sgt Christ4. ETR 13:50c. P/W Kits Sgt Gannon5. No. Crews on Mission 32d. Map Room Sgt Kramer6. File & Map clerks called at 023010. Personal phone calls stopped 03:207. Other EM called at 0230

8. Officers notified at:

NOTE: Official telephone calls are to be noted in the Journal. Time, Date & Duty Officer's initials go on each order or annex received from Operations.

a. Main Briefing 02:30b. Gunners' Briefing 02:30

c. Major Shaw \_\_\_\_\_

S-2 52/2-2-44

31-3-44

Automatic Cameras are installed on the ships listed below.

31256  
38047  
31710  
31987  
30487  
31981  
31537  
38175  
31895  
107011

STATION PHOTO.

51-3-44

Automatic Cameras are installed on the ships listed below.

31256  
38047  
31710  
31987  
30487  
31981  
31537  
38175  
31895  
107011

STATION PHOTO.

## GUNNERS' BRIEFING

Chemical works at ~~Bonn~~ Ludwigs Hafen of the I.G. Farbenindustrie one of the largest and most important in Germany. It has sustained only slight damage in prior raids, & remains the largest chemical in Europe. Total target is 3 miles long + 3/4 miles wide on west bank of Rhine from Ludwigs Hafen to Oppau. Groups have various MPI's. but if PFT is used, same S.T.

MPI for all - the most important block of the synthetic rubber plant. MPI for 100 is same. MPI for our Composite squadron is the compressor house of the nitrogen + methanol plant.

L.R.

Suggested target of opportunity, Flensburg Fjord. Any mil. objective in Germany - or enemy and one not near pop - or disrupting fighter support.

2. ROUTE IN (Timing data)

- g- 685 C 645  
 a. Taxi \_\_\_\_\_  
 b. Take off 9-780 C-700  
 c. Rendezvous with other Groups 0920  
 d. Reach Bombing altitude 1003  
 e. Temperature at Bombing altitude -38°  
 f. Leave British coast 0942  
 g. Arrive Enemy Coast 1001  
 h. ETA at IP for PT 1050  
 i. Axis of attack 150°  
 j. PT (s) - 1101  
 k. Rally point 1108

ROUTE OUT (Timing Data)

- l. Leave Enemy coast 1307  
 m. Time of descent \_\_\_\_\_  
 n. Place of descent \_\_\_\_\_  
 o. Arrive English coast 1335  
 p. ETR 1350

3 hrs. + 6 min

5-7 low clouds at 1/10 target -

3. ENEMY DEFENSES

- a. KNOWN Flak areas along route in and out: (Number & Type of Guns)  
 If Known (Mobile Flak units; on RR cars & barges)

Briefed course through Belgium fairly flat free. Point of crossing coast should be made good to avoid Dunkirk + Ostend. Le Calot + Charleroi are moderately well-defended. Trier is defended. Strong defenses in area at Bingen, Bad Kreuznach + Mainz. Right turn off target should avoid Speyer.

- b. FLAK around P. T. # Heavy guns \_\_\_\_\_ : # light guns \_\_\_\_\_  
 c. FLAK around S. T. # Heavy guns \_\_\_\_\_ : # light guns \_\_\_\_\_  
 d. FLAK around L. R. # Heavy guns \_\_\_\_\_ : # light guns \_\_\_\_\_

- c. E/A: Types... within \_\_\_\_\_ miles radius of the Target:

Number - S/E \_\_\_\_\_ ; T/E \_\_\_\_\_ ; F/B \_\_\_\_\_ ; RTU \_\_\_\_\_.

- d. Other defenses:

- a. Smoke Screen  
 b. Decoys

b. Group leading our formation 100<sup>th</sup> lead CW - also hi of hi group.  
c. Positions of Squadrons in our Group: Lead \_\_\_\_\_; High 950  
Low 95B

d. Bombing alt. of our Group 25000; other Groups \_\_\_\_\_  
e. Bomb load 70 x 700 DP - 32 x 100 IB's.  
f. Other efforts:  
Targets and times of Diversions and other Friendly efforts:

5. FIGHTER SUPPORT (Warn against firing against our own escort)

a. Type of A/C \_\_\_\_\_; Strength \_\_\_\_\_  
b. Time and place of rendezvous \_\_\_\_\_  
c. Extent of escort:

6. EPIADIASCOPES

7. CLOSING REMARKS

- a. All observations - TIME, PLACE AND ALTITUDE  
  
b. Hot News - report time, place, and altitude of our A/C down or going down at sea; or enemy territory and enemy Naval forces.  
  
c. NOTIFY NAVIGATOR IMMEDIATELY IF B/A IS BELIEVED DAMAGED OR DESTROYED SO THAT PROPER NOTE IS MADE IN NAVIGATOR'S LOG  
  
d. If captured: Name, Rank, and Serial No.

MAIN BRIEFINGDATE 31-3-44-BRIEFING O. Macway

## 1. TARGETS: (IMPORTANCE, SIZE &amp; IDENTIFYING CHARACTERISTICS)

A. PRIMARY TARGET: Ludwigshafen - the largest chemical plant in Europe.

M.P.I. of Ludwigshafen - most important building a rubber plant - which has higher priority than any other section of the target - High Camp - bridge - No hydrogen + Montreal Star - Low Camp - MPI - Bldg. Between <sup>N</sup> 17 & 18 in Section O

## B. SECONDARY TARGET:

Ludwigshafen - same M.P.I. as O/T of Had Company (Y PFF)

C. LAST RESORT: Any military objective in Germany - any A/D in unoccupied territory - general - it is not now populated area.

## 2. ROUTE: (FLAK AREAS ON ROUTE IN &amp; RETURN)

A. FROM ENEMY COAST TO I.P.: Route in Hennigsdorf crossing coast road should be made good to avoid the defenses of YUNCKER OSTERO - Le Cugot A/D + CHARLEROI A/D - about 1 hour. Both are moderately well defended. Trier (near river) is defended by guns near I.P.A. BINGEN - BAD KREUZNACH - strong defense around MAINZ. A right turn off the target should avoid SIEGEN.

## B. FROM I.P. TO TARGET

C. GUNS AT P.T.:

# HEAVY \_\_\_\_\_

GUNS AT S.T.:

# HEAVY \_\_\_\_\_

GUNS AT L.R.:

# HEAVY \_\_\_\_\_

## D. MOBILE FLAK UNITS on RR cars or BARGES (if any)

3. ENEMY FIGHTERS: WITHIN MILES OF THE TARGET.

A. NUMBER: S/E \_\_\_\_\_ T/E \_\_\_\_\_ P/B \_\_\_\_\_ RTU \_\_\_\_\_

B. TACTICS: (anything new or unusual)

5. EPIADIASCOPe

6. CLOSING REMARKS:

- MAKE AS MANY OBSERVATIONS AS POSSIBLE...REPORTING SAME TO YOUR  
NAVIGATOR.

IF CAPTURED....NAME, RANK & SERIAL NUMBER.

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Target No.  
2 (c) 17

I.G. FARBENINDUSTRIE A.

LUDWIGSHAFEN (GERMANY)

Illustration No.  
2 (c) 17/9.

0 500 1000 1500 2000 YARDS  
 $\frac{1}{2}$  MILE

(1 : 19,400)

Photographed 9.11.41.

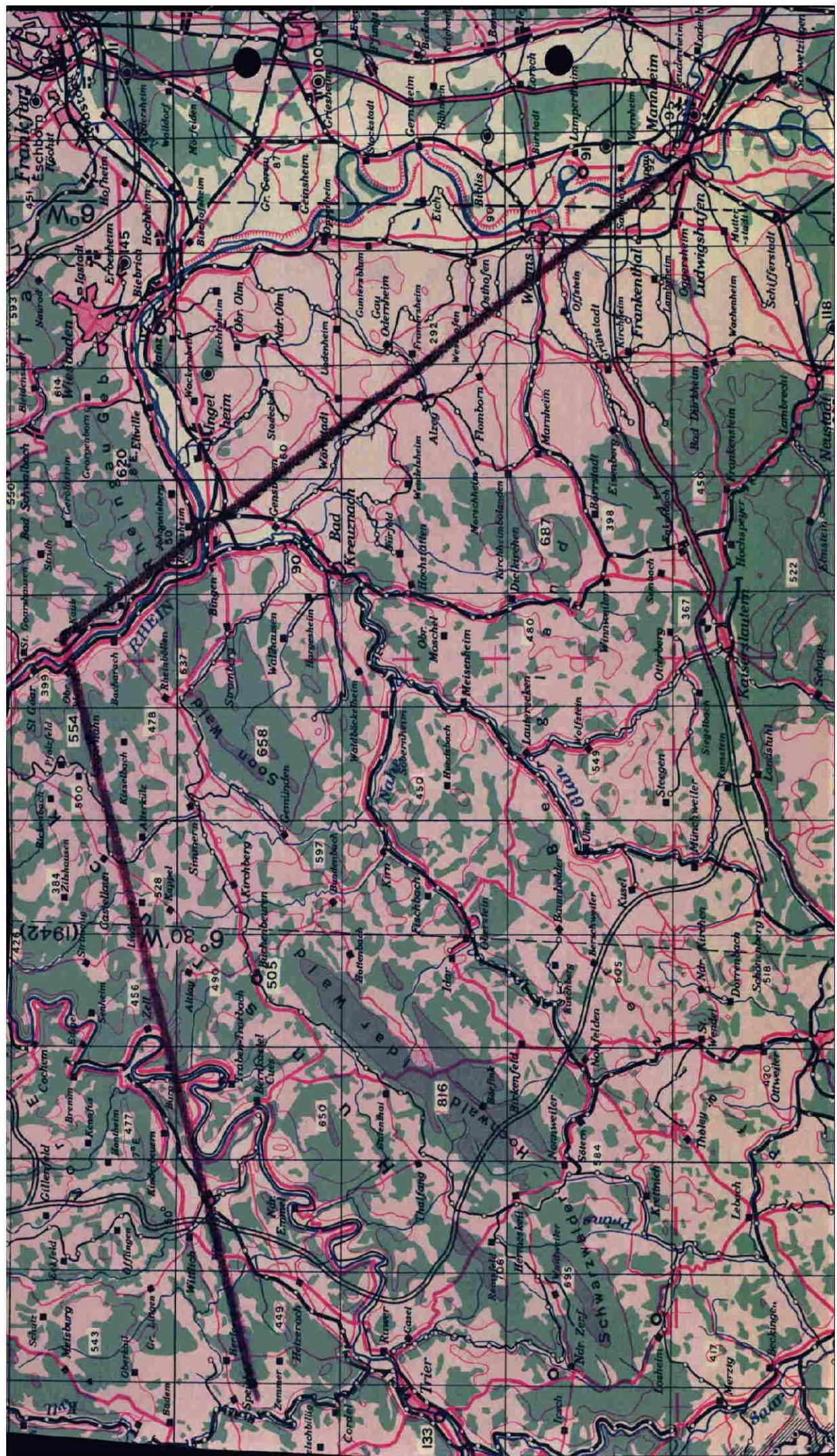
Issued November 1942



A.I.3c (1)

TYPE A

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STAND BY FOR USLIST SB-SC BROADCAST .

17.20

USLIST SB-SC V OITHE NR 6 OP

FROM OITHE 301845A  
TO USLIST SB-SC

SECRET 3 BD R-284-E

ADVANCE WARNING TO 3 BD FIELD ORDER 192

2. A. TARGETS

PRIMARY:

GY4752	MPI	072023/20	-	45TH WING
		043030/20	-	13TH WING
		054060/20	-	4TH A WING
		031084/20	-	4TH B WING

SECONDARY:

GH606 MPI 074047 DTMG 33/1

(TO BE ATTACKED IF OVERCAST TECHNIQUE IS NECESSARY)

B. FORCE REQUIRED

- 4TH COM WG - 4 GROUPS - 21 A/C PER GROUP
- 13TH COM WG - 4 GROUPS - 21 A/C PER GROUP
- 45TH COM WG - 4 GROUPS - 21 A/C PER GROUP

1 GROUP FROM THE 13TH COM WG AND 1 GROUP FROM THE 45TH COM WG WILL BE ATTACHED TO THE 4TH COM WG FOR THIS MISSION.

3. X. (1) ZERO HOUR 0930 B.S.T. 31 MARCH 1944

(2) BOMB LOADING:

EACH A/C 10 X 100 LB. G.P. BOMBS, FUSING 1/10 NOSE, 1/40 TAIL PLUS 32 X M47A1 I.B.'S

LOADING AS PER CHART 1, REPLACING 1 X M47A1 I.B. WITH 1 X 100 LB. G.P. ON STATIONS 1, 2, 5, 7, 9, 22, 23, 26, 28, 30

(3) MINIMUM INTERVALOMETER SETTING WILL BE USED IF PRIMARY TARGET IS ATTACKED.

100 FOOT SETTING WILL BE USED IF SECONDARY TARGET IS ATTACKED DROPPING TABLES FOR 100 LB. G.P. BOMBS ONLY WILL BE USED, WITH NO TIME LAG ALLOWED FOR I.B.'S

TOD 301855A

AS FOR CHECK

UNDER 3.X. (3) CWB FOOT 200 SHOULD BE 200 FOOT SETTING

Q FOR R

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22:55  
30 - 3 - 44  
JMBa

STAND BY FOR USLIST SB-SC BROADCAST

USLIST SB-SC V OITHE NR 7 OP

FROM OITHE 302200A

TO USLIST SB-SC

OIPNT

OIKHI

OIBMP

SECRET 3BD R-285-E

### 3D BOMB DIVISION FIELD ORDER NO. 192

#### 1. A. FIGHTER SUPPORT. TO FOLLOW

#### B. FRIENDLY ACTIVITIES.

1ST DIVISION FORCES WILL DEPART BEACHY HEAD AT ZERO HOUR AND WILL ATTACK GY4759

2ND DIVISION FORCES WILL DEPART DUNGENESS AT ZERO HOUR PLUS 20 MINUTES AND WILL ATTACK TARGETS GU4063, GU4058 PATHFINDER TARGET FOR 1ST AND 2ND DIVISIONS GH606 ALL DIVISIONS WILL FOLLOW A COMMON ROUTE AS FAR AS 4845-0800E AND WILL PROCEED TO THEIR RESPECTIVE TARGETS AS FOLLOWS: ROUTES TO FOLLOW.

#### 2. A. TARGETS.

##### PRIMARY:

GY4752	MPI	072023/20	-	45TH WING
		043030/20	-	13TH WING
		054060/20	-	4TH A WING
		031084/20	-	4TH B WING

##### SECONDARY:

GH606 MPI 074047 DTMG 33/1  
(TO BE ATTACKED IF OVERCAST TECHNIQUE IS NECESSARY)

##### LAST RESORT:

ANY MILITARY OBJECTIVE POSITIVELY IDENTIFIED IN GERMANY WHICH CAN BE ATTACKED WITHOUT DISRUPTING FIGHTER SUPPORT.

#### B. FORCE REQUIRED.

4TH COM WG - 4 GROUPS - 21 A/C PER GROUP  
13TH COM WG - 4 GROUPS 1 21 A/C PER GROUP  
45TH COM WG - 4 GROUPS + 21 A/C PER GROUP

1 GROUP FROM THE 45TH COM WG AND 1 GROUP FROM THE 13TH COM WG WILL BE ATTACHED TO THE 4TH COM WG FOR THIS MISSION.

#### C. DIVISION ASSEMBLY LINE.

SPLASHER 7 (17000 FT - C.P. "A")	ZERO HOUR MINUS 13 MINS
SPLASHER 8 (C.P. "B")	ZERO HOUR PLUS 3 MINS
HASTINGS	ZERO HOUR PLUS 8 MINS

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**D. ROUTES.**

## (1) GY4752

HASTINGS (START CLIMB TO 20,000 FT)	ZERO HOUR PLUS 8 MINS
5000-0116E (20,000 FT)	ZERO HOUR PLUS 24 MINS
4943-0147E	ZERO HOUR PLUS 31 MINS
4915-0305E	ZERO HOUR PLUS 47 MINS
4909-0400E	ZERO HOUR PLUS 57 MINS
4854-0630E (START CLIMB TO 25,000 FT)	
4845-0800E	ZERO HOUR PLUS 81 MINS
4833-0941E (25,000 FT)	ZERO HOUR PLUS 95 MINS
4825-1000E (I.P.)	ZERO HOUR PLUS 111 MINS
TARGET	ZERO HOUR PLUS 114 MINS
4812-1103E (R.P. 24,000 FT)	ZERO HOUR PLUS 122 MINS
4800-1100E (START DESCENT TO 18,000 FT)	ZERO HOUR PLUS 124 MINS
4845-0800E (18,000 FT)	ZERO HOUR PLUS 128 MINS
4909-0400E	ZERO HOUR PLUS 192 MINS
4915-0305E	ZERO HOUR PLUS 278 MINS
4943-0147E	ZERO HOUR PLUS 293 MINS
5000-0116E (START DESCENT)	ZERO HOUR PLUS 319 MINS
HASTINGS	ZERO HOUR PLUS 331 MINS
	ZERO HOUR PLUS 354 MINS

DESCENT TO 18,000 FT CALCULATED AT 160 I.A.S. - 200 FT/MIN.  
TIMINGS ARE FOR 45TH AND 13TH WINGS.

4TH A AND 4TH B WINGS ADD 4 MINUTES TO ALL TIMINGS

## (2) TARGET GH606

SAME AS (1) TO:

4833-0941E (25,000 FT)	ZERO HOUR PLUS 111 MINS
4807-1043E (I.P.)	ZERO HOUR PLUS 122 MINS
TARGET	ZERO HOUR PLUS 130 MINS
4752-1130E	ZERO HOUR PLUS 135 MINS
4800-1100E (START DESCENT TO 18,000 FT)	ZERO HOUR PLUS 146 MINS

ROUTE BACK SAME AS (1) FROM 4800-1100E

IF (2) IS FOLLOWED ADD 18 MINUTES TO ALL TIMINGS ON RETURN  
ROUTE FROM 4800-1100E

**E. BOMBING ALTITUDES.**

LEAD GPS - 24,XXXX 25,000 FEET OR 1000 BELOW HIGH CLOUD  
IF ENCOUNTERED

3. A. THE 45 WING WITH 2 PFF A/C ATTACHED WILL DEPART HASTINGS AT ZERO HOUR PLUS 8 MINS
- B. THE 13TH WING WITH 2 PFF A/C ATTACHED WILL ECHELON RIGHT ON THE 45TH WING
- C. THE 4A WING WITH 2 PFF A/C ATTACHED WILL DEPART HASTINGS AT ZERO HOUR PLUS 12 MINS.
- D. THE 4B WING, WITH 1 GP FROM THE 45TH WING, 1 GP FROM THE 13TH WING, AND 2 PFF A/C ATTACHED WILL ECHELON RIGHT ON THE 4A WING.

X. (1) ZERO HOUR: 0930 BST 31 MARCH 1944

## (2) BOMB LOAD:

ALL A/C 10 X 100 LB. G.P. 1/10 NOSE, 1/40 TAIL FUSING  
PLUS 32 X M47A1 I.B.'S.

LOADING AS PER CHART 1, REPLACING 1 X M47A1 I.B. WITH  
1 X 100 LB. G.P. ON STATIONS 1, 2, 5, 7, 9, 22, 23,  
26, 28, 30

(3) MINIMUM INTERVALOMETER SETTING WILL BE USED IF PRIMARY  
TARGET IS ATTACKED.

200 FOOT SETTING WILL BE USED IF SECONDARY TARGET IS ATTACKED.  
DROPPING TABLES FOR 100 LB. G.P. BOMBS ONLY WILL BE USED,  
WITH NO TIME LAG ALLOWED FOR I.B.'S

(4) LEADERS WILL BE RESPONSIBLE THAT 3RD DIVISION FORCES DO  
NOT INTERFERE WITH 2ND DIVISION FORCES' BOMB RUN AND WILL GIVE  
WAY TO THE SOUTHEAST IF NECESSARY. (REFER TO 2ND DIV. ROUTES)

4. NORMAL: COM WGS WILL FORWARD COPIES OF RESPECTIVE FIELD ORDERS  
TO THIS HEADQUARTERS.

Y USLIST SC  
STAND BY FOR USLIST SB-SC B/CAST

*MBA*

USLIST SB-SC V OITHE NR 1 OP

FROM OITHE 31/0125A  
TO USLIST SB-SC  
OIPNT  
OIKHI  
OIBMP

31-3-44

02:15

SECRET 3 B.D. R-287-E

3

3D BOMB DIVISION FIELD ORDER NO. 192A.

1. A. FIGHTER SUPPORT.

TO FOLLOW.

B. FRIENDLY ACTIVITES.

1ST DIVISION FORCES WILL DEPART CLACTON AT ZERO HOUR AND WILL ATTACK GS-38 (SAME MPI'S AS 3RD DIVISION)

2ND DIVISION FORCES WILL DEPART ORFORDNESS AT ZERO HOUR PLUS 24 MINUTES AND WILL ATTACK TARGETS GU-4230, GS-38.

ALL DIVISIONS WILL FOLLOW THE SAME ROUTE.

2. A. TARGETS

PRIMARY:

GS 38	MPI	033067/11. 030030/11 - 042116/11	ALL LEAD GROUPS ALL LOW GROUPS ALL HIGH GROUPS
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SECONDARY AND LAST RESORT:

GS 38 MPI 033067/11  
(TO BE ATTACKED IF OVERCAST TECHNIQUE IS USED)

B. FORCE REQUIRED.

SAME AS F.O. 192

C. DIVISION ASSEMBLY LINE.

SPLASHER 7 (22,000 FT)	ZERO HOUR PLUS 3 MINS
FELIXSTOWE	ZERO HOUR PLUS 12 MINS

D. ROUTES.

FELIXSTOWE (START CLIMB TO 25,000 FT)	ZERO HOUR PLUS 12 MINS
5107-0240E (25,000 FEET)	ZERO HOUR PLUS 31 MINS
4955-0640E	ZERO HOUR PLUS 70 MINS
5007-0747E (I.P.)	ZERO HOUR PLUS 80 MINS
TARGET	ZERO HOUR PLUS 91 MINS
4914-0815E (START DESCENT TO 20,000 FT)	ZERO HOUR PLUS 98 MINS
4955-0640E (20,000 FEET)	ZERO HOUR PLUS 134 MINS
5107-0240E (START DESCENT)	ZERO HOUR PLUS 217 MINS
CLACTON BASES	ZERO HOUR PLUS 245 MINS

DESCENT FROM 25,000 FEET TO 20,000 FEET IS CALCULATED AT 160 I.A.S., 200 FEET / MIN DESCENT.

TIMINGS ARE FOR 45TH WING. WINGS WILL BE SEPARATED BY 2 MINUTE INTERVALS.

E. BOMBING ALTITUDES.

ALL GROUPS 25,000 FEET OR 1000 FEET BELOW HIGH CLOUD OR CONTRAILS IF ENCOUNTERED.

3. A. THE 45TH WING WITH 2 PFF A/C ATTACHED WILL DEPART FELIXSTOWE AT ZERO HOUR PLUS 12 MINUTES  
B. THE 13TH WING WITH 2 PFF A/C WILL FOLLOW THE 45TH WING AT A 2 MINUTE INTERVAL.  
C. THE 4TH A WING WITH 2 PFF A/C ATTACHED WILL FOLLOW THE 13TH WING AT A 2 MINUTE INTERVAL.  
D. THE 4TH B WING WITH 2 PFF A/C AND 1 GROUP EACH FROM THE 45TH AND 13TH WINGS ATTACHED WILL FOLLOW THE 4TH A WING AT A 2 MINUTE INTERVAL.  
X. (1) ZERO HOUR: 0930 B.S.T. 31 MARCH '44.  
(2) BOMB LOAD: SAME AS F.O. 192.  
(3) IF VISUAL TARGETS CAN BE ATTACKED GROUPS WILL NOT PEEL OFF AND TAKE INTERVAL AT THE I.P. BUT WILL TURN AT I.P. IN WING FORMATION AND THEN PROCEED TO RESPECTIVE TARGETS, BOMBING ABREAST.  
(4) INTERVALOMETER SETTING 200 FEET FOR VISUAL AND PFF TARGETS.

4. NORMAL SAME AS FIELD ORDER NO 192.

5. COMMUNICATIONS.

- A. SPLASHER BEACONS ON DURING THE ENTIRE MISSION  
4A, 5B, 6C, 7D, 8E, 9F, 11G, 13H, 16I  
B. MF D/F SECTION \*\*H\*\*  
C. GEE INFORMATION: EASTERN WYOMING AND SOUTHERN CAROLINA CHAINS ON GRADE A TRANSMISSION DURING ENTIRE MISSION.  
D. AUTHENTICATORS:  
W/T:- BOMBER CODE GROUP FOR THE LETTER \*\*Z\*\*  
VHF:- \*\*RUNNING BOARD\*\*  
E. VHF BOMBER FIGHTER CHANNEL \*\*C\*\*  
USAAF BOMBERS: AMERICAN FIGHTER COMMON  
F. VHF BOMBER FIGHTER CALLSIGNS:  
BOMBERS:-  
45 COMBAT WING: GOLDSMITH TWO ONE  
13 COMBAT WING: GOLDSMITH TWO TWO  
4A WING: GOLDSMITH TWO THREE  
4B WING: GOLDSMITH TWO FOUR  
FIGHTERS:-  
USAAF FIGHTERS: (SEE PAR 1)  
GROUND SECTOR:  
USAAF GROUND SECTOR: \*\*TACKLINE\*\*  
G. PATHFINDER CALLSIGNS  
447TH GROUP 554E TUTE  
447TH GROUP 534A TUTA  
385TH GROUP 564J TUTJ  
385TH GROUP 599M TUTM  
388TH GROUP 556G TUTG  
388TH GROUP 542B TUTB  
100TH GROUP 577N TUTN

H. RCM:

- (1) CARPET: WILL BE CARRIED BY ALL OPERATIONAL AIRCRAFT EQUIPPED AND WILL BE OPERATED IN ACCORDANCE WITH CURRENT INSTRUCTIONS.
- (2) WINDOW: WILL BE CARRIED BY ALL AIRCRAFT OF THE 45 COMBAT WING AND THE LEADING GROUPS OF THE 13, 4A, AND 4B WINGS TO BE DROPPED IN THE TARGET AREA STARTING AT THE IP AND CONTINUING FOR 15 MINUTES AT THE RATE OF ONE UNIT EVERY TWO SECONDS. ABOVE DROPPING APPLIES TO EITHER VISUAL OR TO THE PATHFINDER ROUTE. EACH OF THE ABOVE AIRCRAFT WILL CARRY 450 UNITS OF CHAFF.

I. SPECIAL INSTRUCTIONS:

- (1) WING LEADERS WILL SEND IN PROMPTLY THE FOLLOWING INFORMATION IN THE FOLLOWING ORDER BY W/T TO THE DIVISION GROUND STATION:
  - A. THE CONTROL POINT AND TIME OF ACTUALLY REACHING THAT POINT.
  - B. ESTIMATED TIME OF ARRIVAL AT THE NEXT CONTROL POINT.
  - C. WIND DIRECTION IN DEGREES.
  - D. WIND SPEED IN KNOTS.
- (NOTE:- THE COLLECTIVE CALLSIGN OF THE WING WILL BE USED BY LEADER IN ADDITION TO THE NORMAL OPERATIONAL CALLSIGN.)
- (2) STRIKE REPORTS AND POSITION REPORTS MUST BE SENT AS QUICKLY AS POSSIBLE IN ORDER TO COORDINATE FIGHTER SUPPORT.

AS FOR CHECK

CC - UNDER 5. F. - 4TH LINE - GOLDSMITH TWO TWO - NOT TWO TO AS SENT  
CC - UNDER 2. E. - WA ALL - LEAD - REPEAT LEAD  
CC - UNDER 3. X.(4) - WA SETTING 100 - NOT 200 AS SENT - REPEAT 100

AS

TOD 31/0209A

GME CBT

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USLIST SB-SC V OITHE NR 2 -OP-

FROM OITHE 31/0125A  
TO USLIST SB-SC  
SECRET 3 B.D. R-288-E

MBA  
31-3-44

INTELLIGENCE ANNEX TO 3 BD FIELD ORDER NO. 192A.

02:22

GS 38

THIS TARGET HAS ONLY SUSTAINED SLIGHT DAMAGE ON PRIOR RAIDS AND REMAINS THE LARGEST CHEMICAL PLANT IN EUROPE.

MPI 033067/11 HAS BEEN PLACED ON THE MOST IMPORTANT BUILDING OF THE RUBBER PLANT, WHICH, IN TURN, HAS A HIGHER PRIORITY THAN ANY OTHER SECTION OF THIS TARGET. IN THE EVENT OF VISUAL BOMBING CONDITIONS, THE TWO OTHER MPI'S HAVE BEEN ADDED SO AS TO DISPERSE THE BOMBS THROUGHOUT THE TARGET.

SUGGESTED TARGET OF OPPORTUNITY: ZB 920

FLAK:

BRIEFED ROUTE IN THRU BELGIUM IS FAIRLY FREE FROM FLAK. POINT OF CROSSING COAST IN AND OUT SHOULD BE MADE GOOD TO AVOID THE DEFENSE OF DUNKIRK AND OSTEND. LE CULOT A/D AND CHARLEROI A/D SHOULD BE AVOIDED AS BOTH ARE MODERATELY WELL DEFENDED. TRIER, NEAR ROUTE, IS DEFENDED. THERE ARE SOME DEFENSES IN THE I.P. AREA AT BINGEN, BAD KREUZNACH AND STRONG DEFENSES AROUND MAINZ. THE TARGET IS DEFENDED BY 150 HEAVY GUNS. THE RIGHT TURN OFF THE TARGET SHOULD AVOID SPEYER IF POSSIBLE.

TOD 31/0215A

CBT

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USLIST SB-SC V OITHE NR 2 -OP-

FROM OITHE 31/0125A  
TO USLIST SB-SC  
SECRET 3 B.D. R-288-E

INTELLIGENCE ANNEX TO 3 BD FIELD ORDER NO. 192A.

GS 38

THIS TARGET HAS ONLY SUSTAINED SLIGHT DAMAGE ON PRIOR RAIDS AND REMAINS THE LARGEST CHEMICAL PLANT IN EUROPE.

MPI 033067/11 HAS BEEN PLACED ON THE MOST IMPORTANT BUILDING OF THE RUBBER PLANT, WHICH, IN TURN, HAS A HIGHER PRIORITY THAN ANY OTHER SECTION OF THIS TARGET. IN THE EVENT OF VISUAL BOMBING CONDITIONS, THE TWO OTHER MPI'S HAVE BEEN ADDED SO AS TO DISPERSE THE BOMBS THROUGHOUT THE TARGET.

SUGGESTED TARGET OF OPPORTUNITY: ZB 920 -

FLAK:

BRIEFED ROUTE IN THRU BELGIUM IS FAIRLY FREE FROM FLAK. POINT OF CROSSING COAST IN AND OUT SHOULD BE MADE GOOD TO AVOID THE DEFENSE OF DUNKIRK AND OSTEND. LE CULOT A/D AND CHARLEROI A/D SHOULD BE AVOIDED AS BOTH ARE MODERATELY WELL DEFENDED. TRIER, NEAR ROUTE, IS DEFENDED. THERE ARE SOME DEFENSES IN THE I.P. AREA AT BINGEN, BAD KREUZNACH AND STRONG DEFENSES AROUND MAINZ. THE TARGET IS DEFENDED BY 150 HEAVY GUNS. THE RIGHT TURN OFF THE TARGET SHOULD AVOID SPEYER IF POSSIBLE.

TOD 31/0215A CBT BBB

Lead in CW  
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STAND BY FOR FURTHER B/CAST

USLIST SB-SC V OITHE NR 3 -OP -

FROM OITHE 31/0215A  
 TO USLIST SB-SC  
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 OIKHI  
 OIBMP  
 SECRET 3 B.D. R-289-E

ANNEX NO. 1 TO 3 B.D. FIELD ORDER NO. 192A

## 1. A. FIGHTER SUPPORT.

1. GP. P-47'S FROM 5107-0240E	- DENVER 2-1	ZERO HOUR PLUS	32 MINS	1007
1 GP. P-47'S FROM 5130-0450E	- DENVER 2-2	ZERO HOUR PLUS	53 MINS	1023
1 GP. P-51'S FROM 5001-0620E	- DENVER 2-3	ZERO HOUR PLUS	67 MINS	1037
1 GP. P-38'S FROM 4914-0815E	- DENVER 2-4	ZERO HOUR PLUS	98 MINS	1107
1 GP. P-47'S FROM 5030-0450E	- DENVER 2-5	ZERO HOUR PLUS	175 MINS	1225

1 GP. P-38'S WILL ARRIVE AT 5001-0620E AFTER THE LAST FORMATION  
 AND WILL PROVIDE SUPPORT FOR STRAGGLERS FROM ALL DIVISIONS.

## 2. A. CHAMNGE LAST RESORT TARGET TO READ:

ANY MILITARY OBJECTIVE IN GERMANY OR ANY AIRDROME IN ENEMY  
 OCCUPIED TERRITORY NOT ADJACENT TO A POPULATED AREA WHICH  
 CAN BE ATTACKED WITHOUT DISRUPTING FIGHTER SUPPORT.

## D. ADD TO ROUTES:

## CONTROL POINTS -

PT. 1. FELIXSTOWE		ZERO HOUR PLUS	12 MINS
PT. 2. 5107-0240E (F.R.)		ZERO HOUR PLUS	31 MINS
PT. 3. 5130-0450E (F.R.)		ZERO HOUR PLUS	53 MINS
PT. 4. 5001-0620E (F.R.)		ZERO HOUR PLUS	67 MINS
PT. 5. TARGET		ZERO HOUR PLUS	91 MINS
PT. 6. 5001-0620E		ZERO HOUR PLUS	137 MINS
PT. 7. 5030-0450E (F.R.)		ZERO HOUR PLUS	175 MINS

AS

CC - UNDER 1. A. FIGHTER SUPPORT - FIRST LINE - ZERO HOUR PLUS  
 31 MINUTES - NOT 32 MINUTES AS SENT

TOD 31/0230A CBT AR

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